Dockerfile

FROM python: 3.11.2-slim

WORKDIR /app

COPY./app

RUN pip install --no-cache-dir -r requirements.txt

CMD ["python3", "app.py"]

EXPOSE 5000

docker-compose.yml

services:

mariadb:

image: mariadb:latest

container_name: mariadb

environment:

MYSQL_ROOT_PASSWORD: "123456"

MYSQL_DATABASE: "reunions"

MYSQL_USER: "amine"

MYSQL_PASSWORD: "123456"

volumes:

- reunions_mariadb-data:/var/lib/mysql
- ./reunions.sql:/docker-entrypoint-initdb.d/reunions.sql

networks:

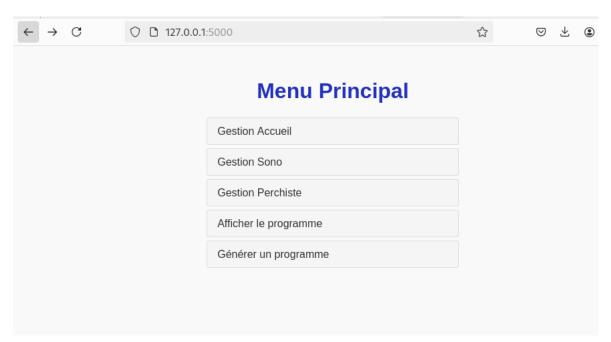
- reunions_app-network

```
python_app:
 build:
  context:.
  dockerfile: Dockerfile
 container_name: python_app
 environment:
  - FLASK_ENV=development
  - SQLALCHEMY_DATABASE_URI=
'mysql+pymysql://amine:123456@mariadb/reunions'
 volumes:
  - .:/app
 ports:
  - "5000:5000"
 depends_on:
  - mariadb
 networks:
  - reunions_app-network
volumes:
 reunions_mariadb-data:
networks:
 reunions_app-network:
 driver: bridge
```

Exécution de Build:

```
amine@debian100Gio:~/tp_docker/reunions$ sudo docker compose up --build -d
[+] Building 8.6s (11/11) FINISHED
                                                                                                                          docker:default
=> [python_app internal] load build definition from Dockerfile
                                                                                                                                    0.0s
=> => transferring dockerfile: 177B
                                                                                                                                    0.0s
=> [python_app internal] load metadata for docker.io/library/python:3.11.2-slim
                                                                                                                                    1.3s
=> [python_app auth] library/python:pull token for registry-1.docker.io
                                                                                                                                    0.0s
=> [python_app internal] load .dockerignore
                                                                                                                                    0.0s
=> => transferring context: 2B
                                                                                                                                    0.0s
=> [python\_app\ 1/4] \ FROM\ docker.io/library/python: 3.11.2-slim@sha256: 2f749ef90f54fd4b3c77cde78eec23ab5b8199d9ac84e4ced6ae523ef22 \\ 0.0s
=> [python_app internal] load build context
                                                                                                                                    0.1s
=> => transferring context: 276.18kB
                                                                                                                                    0.1s
=> CACHED [python_app 2/4] WORKDIR /app
                                                                                                                                    0.0s
=> [python_app 3/4] COPY . /app
                                                                                                                                    0.4s
=> [python_app 4/4] RUN pip install --no-cache-dir -r requirements.txt
                                                                                                                                    6.0s
=> [python_app] exporting to image
                                                                                                                                    0.5s
=> => exporting layers
                                                                                                                                    0.55
=> => writing image sha256:173cf53deef4d515a1bc9455903e49d4fe6096117d855ce1b8a51c28f5d9c50b
                                                                                                                                    0.0s
=> => naming to docker.io/library/reunions-python_app
                                                                                                                                    0.0s
=> [python_app] resolving provenance for metadata file
                                                                                                                                    0.0s
[+] Running 4/4
python_app
                                                                                                                                    0.0s
✓ Network reunions_reunions_app-network Created
                                                                                                                                    0.15
✓ Container mariadb
                                         Started
                                                                                                                                    0.5s
Container python_app
                                          Started
                                                                                                                                    0.8s
```

La page web avec : http://127.0.0.1:5000/





La page web avec : http://localhost:5000/

